

No. 673,294.

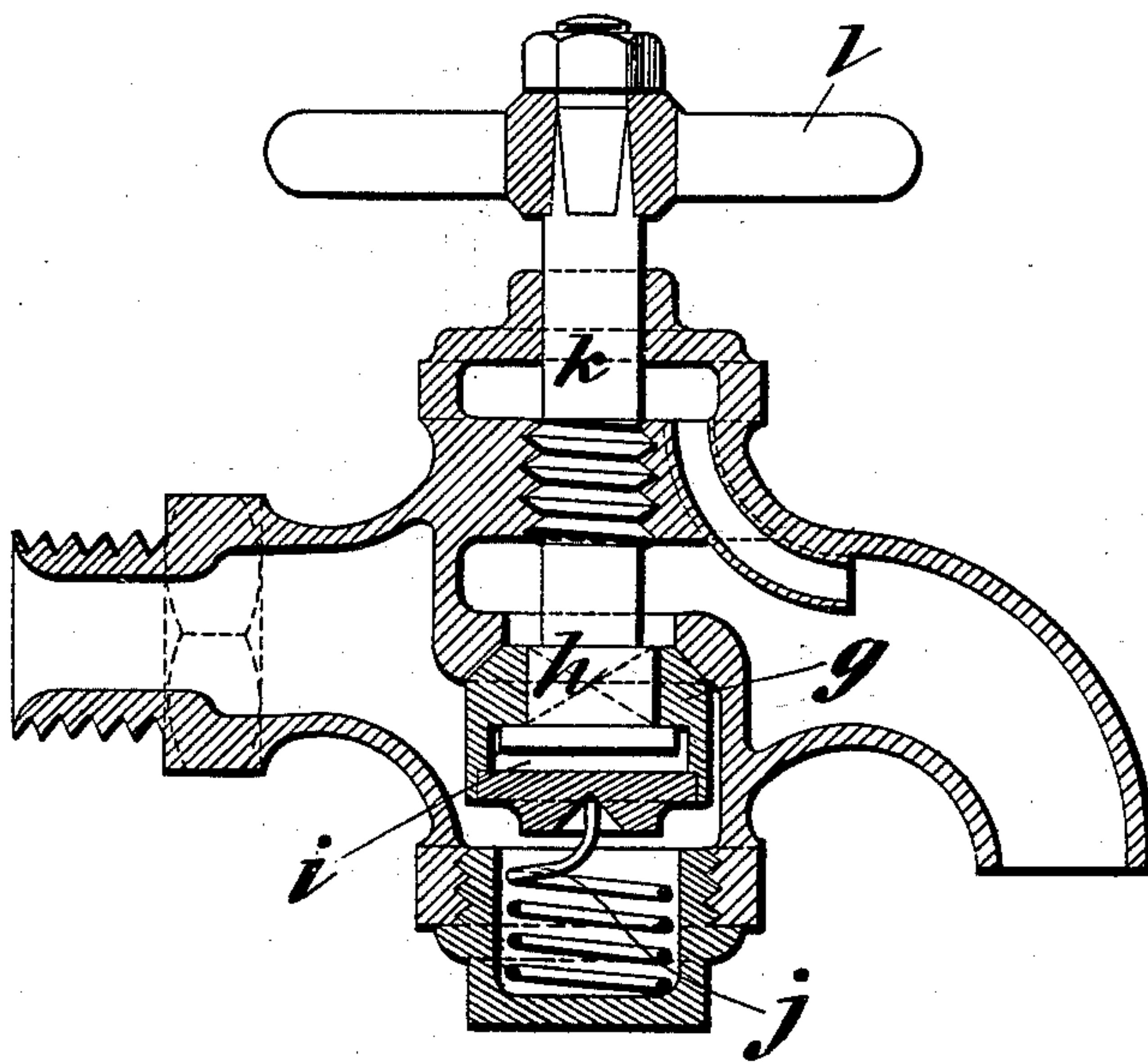
Patented Apr. 30, 1901.

W. A. G. SCHÖNHEYDER.

STOP VALVE.

(Application filed Feb. 11, 1901.)

(No Model.)



Witnesses

*J. B. Keefe*

*J. H. N. Rea.*

Inventor

*William A. G. Schönheyder*

*By*

*James L. Norris.*

*att'y*

# UNITED STATES PATENT OFFICE.

WILLIAM A. G. SCHÖNHEYDER, OF CLAPHAM PARK, ENGLAND.

## STOP-VALVE.

SPECIFICATION forming part of Letters Patent No. 673,294, dated April 30, 1901.

Original application filed October 25, 1900, Serial No. 34,375. Divided and this application filed February 11, 1901. Serial No. 46,841. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM ANTON GOTTLIEB SCHÖNHEYDER, a citizen of Denmark, residing at 4 Rosebery road, Clapham Park, in the county of Surrey, England, have invented a certain new and useful Improvement in Stop-Valves, (for which I have applied for a patent in Great Britain, dated April 28, 1900, No. 7,914,) of which the following is a specification.

My invention, which originally formed part of my application for patent bearing the serial number 34,375, filed October 25, 1900, of which application the present is filed as a division, relates to stop-valves so constructed that when they are worked, in the act of opening or closing the passages which they govern, their surfaces are partially rotated on their seatings, producing a grinding and polishing action and uniform wear, making the parts accurately fit and preventing leakage.

The accompanying drawing is a vertical section of a stop-valve according to my invention.

The valve *g* is coned to bear against a seating. It is fitted freely on a squared part *h* of the valve-rod *k*, just above a collar under which there is certain free space *i*. The valve is

preferably urged upward by a spring *j*. The screwed rod *k* when turned by a handle *l*, so as to open the valve, first turns the valve *g* partly around until the collar at the end of the rod passes down to the bottom of the space *i*, and then it moves the valve down. Also when the rod *k* is turned in the opposite direction, so as to close the valve, it first partly turns the valve with it, and then the collar at its end rises to the top of the space *i* and holds the valve to its seat.

Having thus described the nature of this invention and the best means I know of carrying the same into practical effect, I claim—

In combination with a valve and its seating, a screw-spindle having at its end a squared part freely fitting in a squared part of the valve and a collar engaged in a space in the valve in which it has longitudinal play, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

W. A. G. SCHÖNHEYDER.

Witnesses:

GERALD L. SMITH,  
EDWARD GARDNER.